

N, M, M & O Docket No. \_\_\_\_\_

NIKAIKO, MARMELSTEIN, MURRAY & ORAM

## Declaration For U.S. Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled (Insert Title) Oligomeric carrier molecules with defined incorporated marker groups and haptens

the specification of which

(Check one  
of blocks  
1, 2, or 3.  
See note A  
on back of  
this page)

1.  is attached hereto.
2.  was filed on 24. July 1995 as International PCT Application Serial No. PCT/EP95/02915 and was amended on 22. July 1996 (if applicable)
3.  was filed on \_\_\_\_\_ as U.S. Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application for which priority is claimed:

	P 4426276.0 (Number)	DE (Country)	25.07.1994 (Day/Month/Year Filed)	Priority Claimed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(List prior foreign applications. See note B on back of this page)	P 4430998.8 (Number)	DE (Country)	31.08.1994 (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	P 4430973.2 (Number)	DE (Country)	31.08.1994 (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	P 4439345.8 (Number)	DE (Country)	04.11.1994 (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

(See Note C on back of this page)

See attached list for additional prior foreign applications

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(List Prior U.S. Applications)	(Application Serial Number)	(Filing Date)	(Status) (patented, pending, abandoned)

And I hereby appoint as principal attorneys David T. Nikaido, Reg. No 22,663; Charles M. Marmelstein, Reg. No. 25,895; George E. Oram, Jr., Reg. No. 27,931; Robert B. Murray, Reg. No. 22,980; Martin S. Postman, Reg. No. 18,570; E. Marcic Enas, Reg. No. 32,131; Michael G. Gilman, Reg. No. 19,114; Douglas H. Goldhush, Reg. No. 33,125; Juan Carlos Marquez, Reg. No. 34,072; Robert L. Waddic, Reg. No. 35,795; Kevin C. Brown, Reg. No. 32,402; Monica F. Chin, Reg. No. 36,105.

Please direct all communications to the following address: NIKAIKO, MARMELSTEIN, MURRAY & ORAM

Metropolitan Square  
655 Fifteenth Street, N.W., Suite 330 - G Street Lobby  
Washington, D.C. 20005-5701  
(202) 638-5000 Fax: (202) 638-4810

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(See Note D on back of this page) Full name of sole or first inventor Hans-Peter JOSEL  
Inventor's signature Hans-Peter JOSEL Date 11/11/95  
Residence Prälatenweg 7, D-82362 Weilheim, Germany  
Citizenship German  
Post Office Address same as above

Full name of second joint inventor, if any Andreas FINKE  
Inventor's signature A - d r s F i n k e Date 11/15/96  
Residence Hochfeldstr. 72, D-82377 Penzberg, Germany  
Citizenship German  
Post Office Address same as above

Full name of third joint inventor, if any Rupert HERRMANN  
Inventor's signature R u p e r t H e r r m a n n Date 15/11/96  
Residence In der Au 23, D-82362 Weilheim, Germany  
Citizenship German  
Post Office Address same as above

Full name of fourth joint inventor, if any Eva HÖSS  
Inventor's signature Eva Höss Date 11/11/96  
Residence Am Mühlberg 1A, D-82319 Starnberg, Germany  
Citizenship German  
Post Office Address same as above

Full name of fifth joint inventor, if any Andreas MARSCHALL  
Inventor's signature Andreas Marschall Date 11/19/96  
Residence Schollstr. 3, D-69469 Weinheim, Germany  
Citizenship German  
Post Office Address same as above

Full name of sixth joint inventor, if any Christoph SEIDEL  
Inventor's signature Christoph Seidel Date 11/19/96  
Residence Ammerstr. 39, D-82362 Weilheim, Germany  
Citizenship German  
Post Office Address same as above

Full name of seventh joint inventor, if any \_\_\_\_\_  
Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence \_\_\_\_\_  
Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Full name of sixth joint inventor, if any \_\_\_\_\_  
Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence \_\_\_\_\_  
Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

NIKAIKO, MARMELSTEIN, MURRAY & ORAM

Docket No. \_\_\_\_\_

## U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

Boehringer Mannheim GmbH

Sandhofer Str. 112 - 132

D-68305 Mannheim, Germany

[Insert  
ASSIGNEE's  
Name(s)  
Address(es)]

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNEE hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

Oligomeric carrier molecules with defined incorporated marker groups and haptens

[Title of  
Invention]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\*filed on \_\_\_\_\_, Serial No. \_\_\_\_\_

(Nikaido, Marmelstein, Murray & Oram is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNEE agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNEE agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signature(s))

Hans-Peter JOSEL  
(SIGNATURE)

Hans-Peter JOSEL  
(TYPE NAME)

11/11/96  
(DATE)

A. Finke  
(SIGNATURE)

Andreas FINKE  
(TYPE NAME)

15.11.96  
(DATE)

R. Herrmann  
(SIGNATURE)

Rupert HERRMANN  
(TYPE NAME)

15/11/96  
(DATE)

Eva Höss  
(SIGNATURE)

Eva HÖSS  
(TYPE NAME)

11/11/96  
(DATE)

Andreas Marschall  
(SIGNATURE)

Andreas MARSCHALL  
(TYPE NAME)

13/11/96  
(DATE)

Christoph Seidel  
(SIGNATURE)

Christoph SEIDEL  
(TYPE NAME)

11/11/96  
(DATE)



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231**

MAY 02, 1997

PTAS

NIKAIDO, MARMELSTEIN, MURRAY & ORAM LLP  
ATTN: ROBERT B. MURRAY  
METROPOLITAN SQUARE, G STREET LOBBY  
655 FIFTEENTH STREET, N.W., SUITE 330  
WASHINGTON, D.C. 20005-5701

A standard linear barcode is positioned horizontally across the page, consisting of vertical black bars of varying widths on a white background.

\*100372792A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

03/07/01  
09/801157  
HC620 U.S. PRO

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/24/1997

REEL/FRAME: 8387/0874  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

**ASSIGNOR:**

JOSEL, HANS-PETER

DOC DATE: 11/11/1996

**ASSIGNOR:**

FINKE, ANDREAS

DOC DATE: 11/15/1996

**ASSIGNOR:**

HERRMANN, RUPERT

DOC DATE: 11/15/1996

**ASSIGNOR:**

HOSS, EVA

DOC DATE: 11/11/1996

**ASSIGNOR:**

MARSCHALL, ANDREAS

DOC DATE: 11/19/1996

**ASSIGNOR:**

SEIDEL, CHRISTOPH

DOC DATE: 11/11/1996

**ASSIGNEE:**

BOEHRINGER MANNHEIM GMBH  
SANDHOFERSTR. 116  
D-68298 MANNHEIM 31, FED REP GERMANY

8387/0874 PAGE 2

SERIAL NUMBER: 08776190  
PATENT NUMBER:

FILING DATE: 01/24/1997  
ISSUE DATE:

JACQUELINE MOORE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

89 Rec'd PCT PTO 24 JAN 1997

08/776190

78/776190  
AID  
581-461

Form PTO-1095

RE

03-18-1997

3 ONLY Patents & Trademark Office

MRD  
1.27.97



100372792

/ Docket No.P564-7002  
January 24, 1997

To the Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

- (1) Hans-Peter JOSEL, (2) Andreas FINKE, (3) Rupert HERRMANN,  
(4) Eva HÖSS, (5) Andreas MARSCHALL, (6) Christoph SEIDEL

Additional name(s) of conveying party(ies) attached?

Yes       No

2. Name and address of receiving party(ies):

Name:Boehringer Mannheim GmbH

Address:Sandhoferstr. 116, D-68298 Mannheim 31.

Federal Republic of Germany

Additional name(s) & address(es) attached?

Yes       No

59383 U.S. PTO



03/11/97

3. Nature of conveyance:

- Assignment       Merger  
 Security Agreement       Change of Name  
 Other

Execution Date: (1) 11/11/96, (2) 11/15/96, (3) 11/15/96,  
(4) 11/11/96, (5) 11/19/96, (6) 11/11/96

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:(1) 11/11/96, (2) 11/15/96,  
(3) 11/15/96, (4) 11/11/96, (5) 11/19/96, (6) 11/11/96

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes       No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Nikaido, Marmelstein, Murray & Oram LLP

Street Address:Metropolitan Square, 655 Fifteenth Street,  
N.W., Suite 330 - G Street Lobby  
Washington, D.C. 20005-5701

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... \$ 40.00

Enclosed-Check No.: 12492

Authorized to be charged to deposit account

8. Deposit account number: 14-1060

(Attach duplicate copy of this page if paying by deposit account)

40E

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1556140.0 OC/L

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert B. Murray

Name of Person Signing  
Reg. No. 22,980

Signature

January 24, 1997

Date

Total number of pages including cover sheet, attachments, and document: 2



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 27, 1999

PTAS

ROCHE DIAGNOSTICS CORPORATION  
D. MICHAEL YOUNG, BLDG. D.  
9115 HAGUE ROAD  
INDIANAPOLIS, IN 46250



\*101056474A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/27/1999

REEL/FRAME: 009971/0915  
NUMBER OF PAGES: 15

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BOEHRINGER MANNHEIM GMBH

DOC DATE: 01/04/1999

ASSIGNEE:

ROCHE DIAGNOSTICS GMBH  
SANDHOFER STRASSE 116  
D-68305 MANNHEIM, FED REP GERMANY

SERIAL NUMBER: 06145659  
PATENT NUMBER:

FILING DATE: 05/02/1980  
ISSUE DATE:

SERIAL NUMBER: 06328313  
PATENT NUMBER:

FILING DATE: 12/07/1981  
ISSUE DATE:

SERIAL NUMBER: 06380309  
PATENT NUMBER:

FILING DATE: 05/20/1982  
ISSUE DATE:

SERIAL NUMBER: 06619017  
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FILING DATE: 06/11/1984  
ISSUE DATE: 01/19/1988

SERIAL NUMBER: 07064104	FILING DATE: 06/19/1987
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SERIAL NUMBER: 07078271	FILING DATE: 07/27/1987
PATENT NUMBER: D311773	ISSUE DATE: 10/30/1990
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SERIAL NUMBER: 07137182	FILING DATE: 12/23/1987
PATENT NUMBER: 4834641	ISSUE DATE: 05/30/1989
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PATENT NUMBER: 5919443	ISSUE DATE: 07/06/1999
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SERIAL NUMBER: 08456566	FILING DATE: 06/01/1995
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SERIAL NUMBER: 08487540	FILING DATE: 06/07/1995
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SERIAL NUMBER: 08499078	FILING DATE: 07/06/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08502879	FILING DATE: 07/17/1995
PATENT NUMBER: 5862934	ISSUE DATE: 01/26/1999
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PATENT NUMBER:	ISSUE DATE:
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009971/0915 PAGE 8



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009971/0915 PAGE 15

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JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
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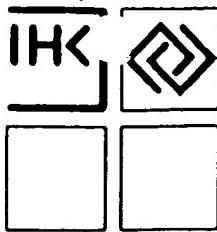
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Zur Vorlage bei den Behörden  
in

For Presentation to authorities  
in

### BESCHEINIGUNG

Wir bestätigen hiermit, daß die Firma BOEHRINGER MANNHEIM GMBH am 4. Januar 1999 auf den Namen ROCHE DIAGNOSTICS GMBH umgeschrieben wurde.

Wir bestätigen weiterhin, daß die Firma ROCHE DIAGNOSTICS GMBH, Sandhofer Strasse 116, D-68305 Mannheim, Bundesrepublik Deutschland, eine Gesellschaft mit beschränkter Haftung und an obigem Geschäftssitz registriert ist. Offiziell eingetragener Geschäftszweck sind Herstellung und Vertrieb von chemischen und pharmazeutischen Produkten sowie Reagenzien und Laborgeräten für den klinisch-chemischen und biochemischen Bereich sowie der Betrieb aller Geschäfte, die geeignet sind, diesen Gesellschaftszweck zu fördern, einschließlich der Haltung von Beteiligungen an anderen Unternehmen.

### CERTIFICATE

This is to certify that on January 4, 1999 the company name of BOEHRINGER MANNHEIM GMBH was changed into ROCHE DIAGNOSTICS GMBH.

Furthermore, we certify that the firm ROCHE DIAGNOSTICS GMBH, Sandhofer Strasse 116, D-68305 Mannheim, Federal Republic of Germany, is a Company of limited liability, legally registered at the above address, whose activities are officially registered as follows: Production and distribution of chemical and pharmaceutical products as well as reagents and laboratory devices in the clinical-chemical and biochemical field as well as operation of all business suitable to further this purpose of the company, including shareholders in other enterprises.

Mannheim, den 1. März 1999

Mannheim, this March 1, 1999



Industrie- und Handelskammer Rhein-Neckar

in Mannheim

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i.A.

(Thiele)

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BLZ 670 00000

Postgiro:  
Ludwigshafen  
Kto. Nr. 20 25-675  
BLZ 545 100 67

06-07-1999

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Additional names(s) of conveying party(ies)

 Yes  No

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| <input type="checkbox"/> Assignment         | <input type="checkbox"/> Merger                    |
| <input type="checkbox"/> Security Agreement | <input checked="" type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other              |  |

Execution Date: January 4, 1999

## 2. Name and address of receiving party(ies):

Name: ROCHE DIAGNOSTICS GMBH

Address: Sandhofer Strasse 116

D-68305 Mannheim

City: \_\_\_\_\_ State/Prov.: \_\_\_\_\_

Country: Germany ZIP: \_\_\_\_\_

Additional name(s) & address(es)  Yes  No

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

Patent Application No. Filing date

## B. Patent No.(s)

See ATTACHMENT

Additional numbers

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## 5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: **340**

Name: D. Michael Young

Registration No. \_\_\_\_\_

Address: Roche Diagnostics Corporation

9115 Hague Road

7. Total fee (37 CFR 3.41): .....\$ **13,600.00**

Bldg. D

City: Indianapolis State/Prov.: IN

Country: ZIP: 46250

 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account

## 8. Deposit account number:

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

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May 28, 1999

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents  
Washington, DC 20231

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**U.S. PATENT AND TRADEMARK OFFICE MATTERS**

The undersigned applicant or assignee hereby appoints D. Michael Young, Reg. No. 33,819, Richard T. Knauer, Reg. No. 35,575, Brent A. Harris, Reg. No. 39,215, Kenneth J. Waite, Reg. No. 45,189, and Marilyn L. Amick, Reg. No. 30,444 all of Roche Diagnostics Corporation, 9115 Hague Road, P.O. Box 50457, Indianapolis, Indiana 46250, Telephone No. (317) 845-2000, and Jill Lynn Woodburn, Reg. No. 39,874 of The Law Office of Jill L. Woodburn, L.L.C., 6633 Old Stonehouse Drive, Newburgh, Indiana 47630-1785, Telephone No. (812) 842-2660:

to prosecute and transact all business on its behalf before the United States Patent and Trademark Office in connection with any U.S. patent assigned to it and any U.S. patent application filed by it or on its behalf and to receive payments on its behalf.

Signed this 18<sup>th</sup> day of September, 2000 at Mannheim, Germany.

Roche Diagnostics GmbH

  
Signature

Dr. Michael Jung

Print Name

Director

Position or Title

Roche Diagnostics GmbH

  
Signature

Dr. Manfred Weber

Print Name

Senior Director

Position or Title